AUTODOC CLUB

How to change front anti roll bar links on **AUDI A8 D3 (4E2, 4E8)** – replacement guide





SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A8 D3 (4E2, 4E8) 4.2 quattro, AUDI A8 D3 (4E2, 4E8) 3.7 quattro, AUDI A8 D3 (4E2, 4E8) 4.0 TDI quattro, AUDI A8 D3 (4E2, 4E8) 3.0, AUDI A8 D3 (4E2, 4E8) 6.0 W12 quattro, AUDI A8 D3 (4E2, 4E8) 3.0 TDI quattro, AUDI A8 D3 (4E2, 4E8) 3.2 FSI, AUDI A8 D3 (4E2, 4E8) 3.2 FSI quattro, AUDI A8 D3 (4E2, 4E8) 4.2 TDI quattro, AUDI A8 D3 (4E2, 4E8) S8 quattro, AUDI A8 D3 (4E2, 4E8) 4.2 FSI quattro, AUDI A8 D3 (4E2, 4E8) 3.0 quattro, AUDI A8 D3 (4E2, 4E8) 2.8 FSI

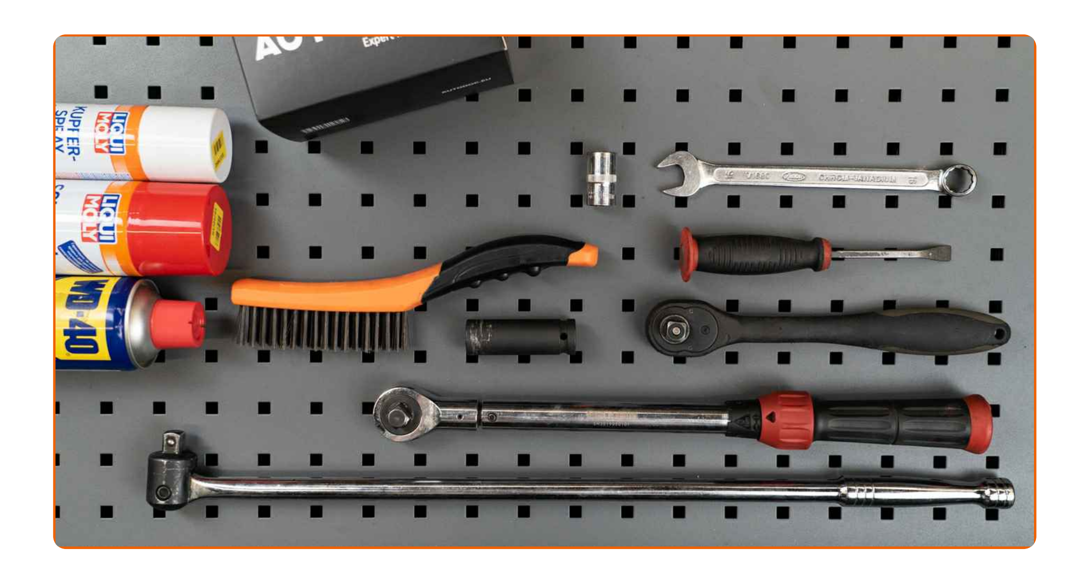
The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A6 C6 Saloon (4F2) 2.0 TDI





REPLACEMENT: ANTI ROLL BAR LINKS – AUDI A8 D3 (4E2, 4E8). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools



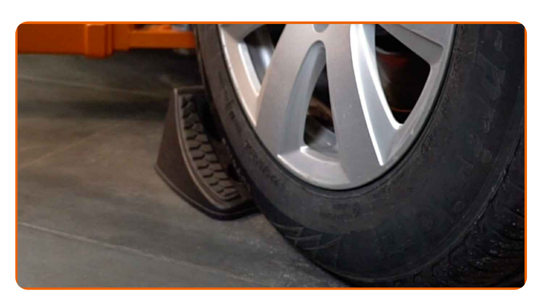


AUTODOC recommends:

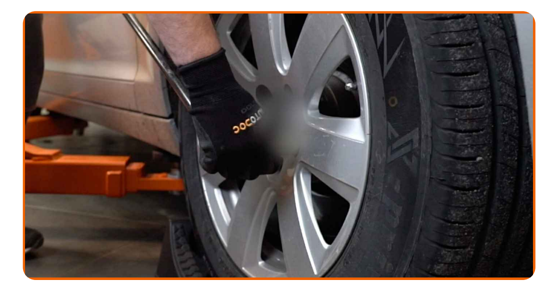
- Replace the stabiliser links on AUDI A8 D3 (4E2, 4E8) in pairs.
- The replacement procedure is identical for both stabiliser links on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: ANTI ROLL BAR LINKS – AUDI A8 D3 (4E2, 4E8). RECOMMENDED SEQUENCE OF STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.





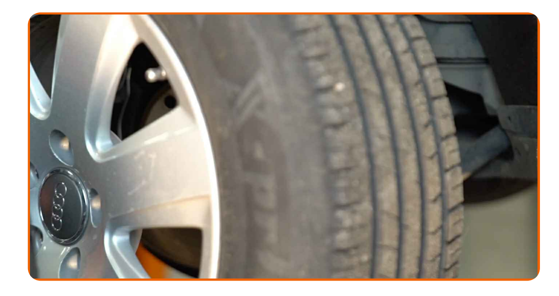
4 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A8 D3 (4E2, 4E8)

5 Remove the wheel.



6 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

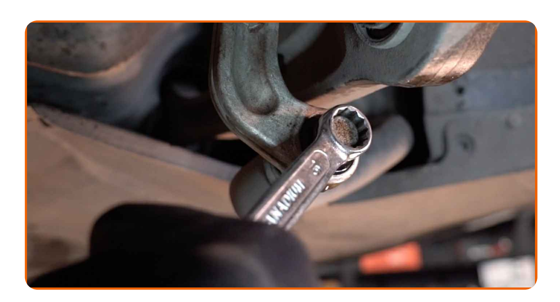






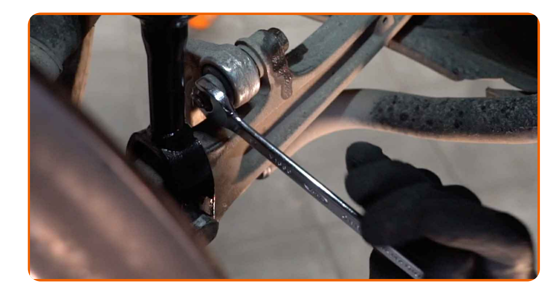
7

Unscrew the fasteners connecting the stabiliser link to the stabiliser bar. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



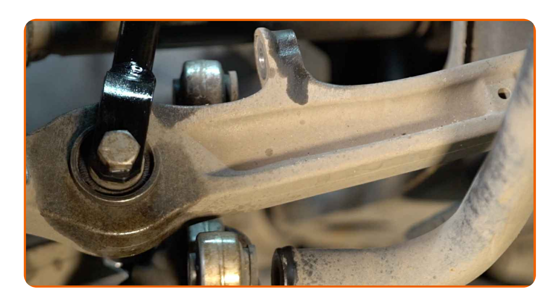
8

Unscrew the fastener connecting the stabilizer bar with the control arm. Use a combination spanner #16.



9

Remove the stabilizer rod.



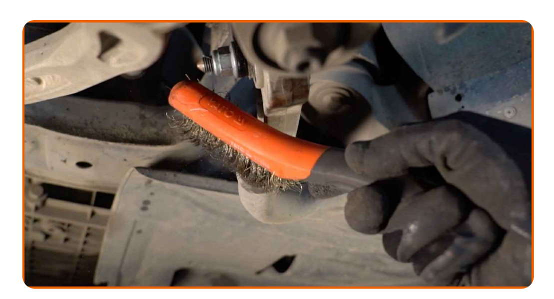
Replacement: anti roll bar links – AUDI A8 D3 (4E2, 4E8). AUTODOC experts recommend:

- Examine stabiliser bushes. Replace them if needed.

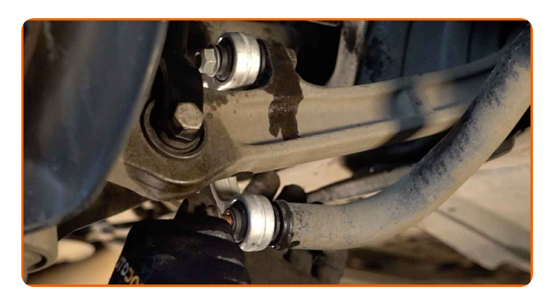




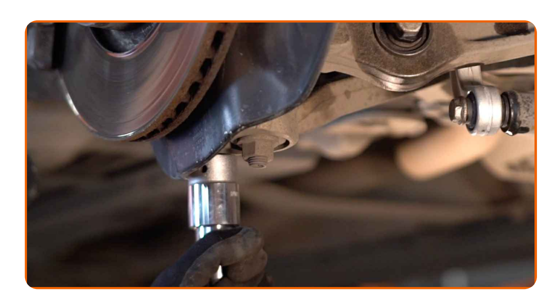
10 Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.



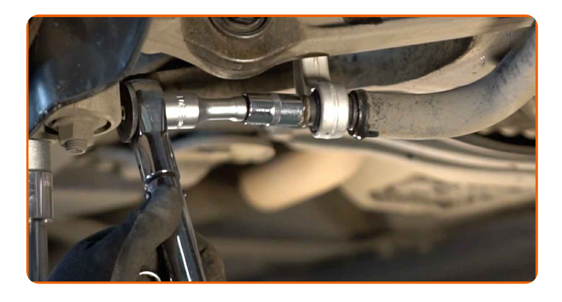
11 Install a new rod, tighten the fasteners. Use a crowbar.



12 Support the arm. Use a hydraulic transmission jack.



13 Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.+90°



AUTODOC recommends:

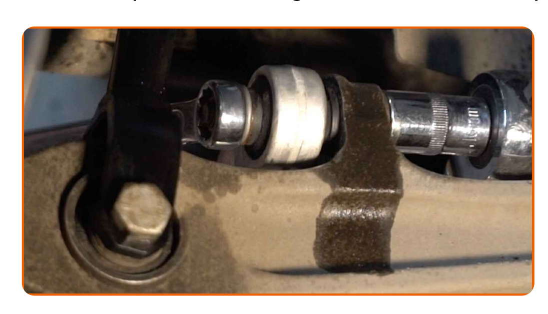
- Important! Be sure to use new fasteners.





14

install the rod fastening to the stabilizer and tighten it. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.+90°

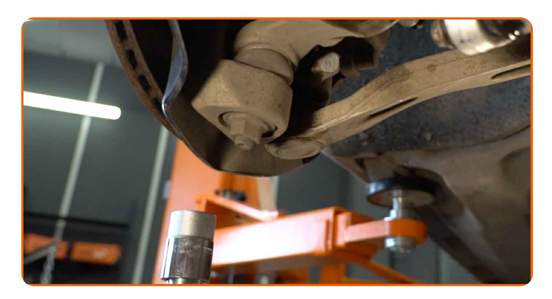


AUTODOC recommends:

- Important! Be sure to use new fasteners.

15

Remove the support from under the arm.



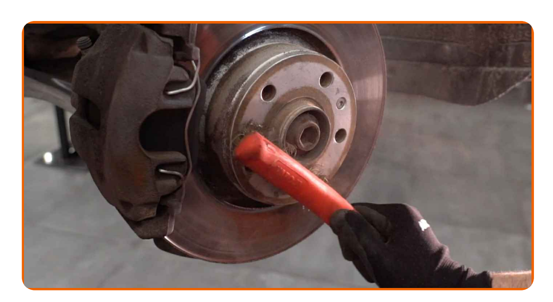
AUTODOC recommends:

- Replacement: anti roll bar links – AUDI A8 D3 (4E2, 4E8). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.



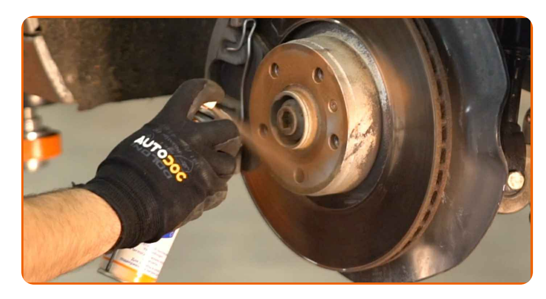


16 Clean the wheel rim mounting seat. Use a wire brush.



17 Treat all joints of the stabiliser link. Use copper grease.

18 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



19 Clean the brake disk surface. Use a brake cleaner.



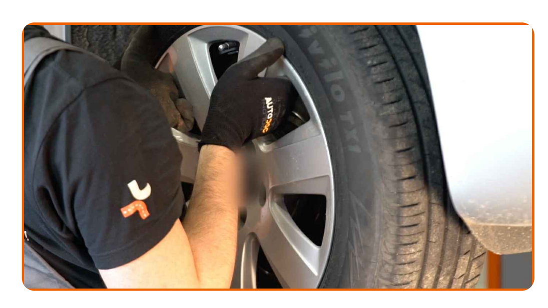
AUTODOC recommends:

- Replacement: anti roll bar links – AUDI A8 D3 (4E2, 4E8). After applying the spray, wait a few minutes.





20 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A8 D3 (4E2, 4E8)

21 Screw in the wheel bolts. Use wheel impact socket #17.



22 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

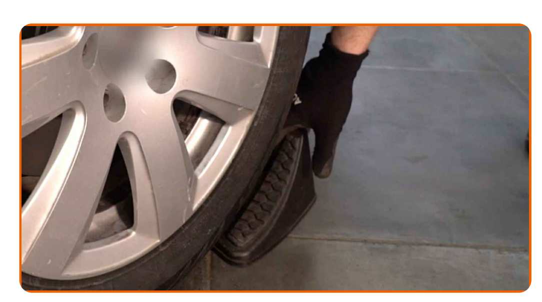






23

Remove the jacks and chocks.



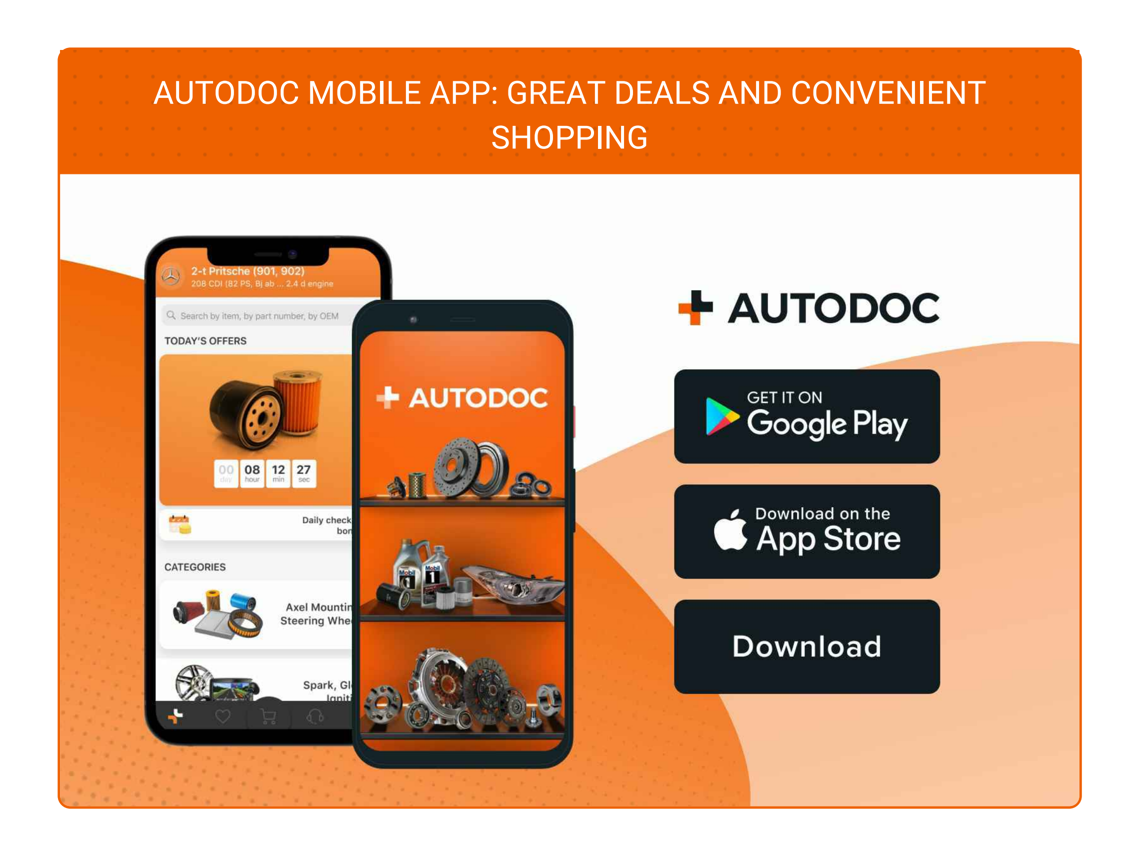
WELL DONE!











A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

ANTI ROLL BAR LINKS: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.